The Achievement Level Descriptors (ALDs) represent knowledge, skills, and abilities (KSAs) that tell the difference between each grade level. Students are responsible for KSAs at the previous grade(s) and Achievement Level(s). These assessment ALDs are not inclusive of all knowledge, skills, and abilities at each grade level.

Grade 5 Mathematics

Exceeds Standard

Students at the Exceeds Standard level in mathematics demonstrate a more complete understanding of how to solve and justify mathematical and practical problems. Students working at this achievement level exhibit the following knowledge, skills, and abilities:

- Justify the model used to compare mixed numbers and/or improper fractions.
- Solve equations using ≤ and ≥.
- Describe the difference between area and perimeter of a polygon.
- Analyze data from stem/leaf plots and/or histograms.

Meets Standard

Students at the Meets Standard level in mathematics demonstrate the application and use of models and tools to solve mathematical and practical situations. Students working at this achievement level exhibit the following knowledge, skills, and abilities:

- Add and subtract fractions with like denominators.
- Solve equations using ≤ and ≥.
- Describe the difference between area and perimeter of a polygon.
- Compute mean and median based on data from stem/leaf plots and/or histograms in order to interpret the given data.

Approaching Standard

Students at the Approaching Standard level in mathematics demonstrate confidence with using concrete resources (tools). Students working at this achievement level exhibit the following knowledge, skills, and abilities:

- Compare fractions with like denominators.
- Solve equations with replacement sets and use > and <.
- Determine area of a polygon.
- Compute mode involving simple problems using data from stem/leaf plots and /or histograms.

Emergent/Developing

Students at the Emergent/Developing level find mathematics to be challenging. Students working at this achievement level exhibit the following knowledge, skills, and abilities:

- Complete number sentences using = and ≠.
- Determine the area of rectangles/squares when given a formula.
- Read data from stem/leaf plots and/or histograms involving the computation of range.

Grade 5 Reading

Exceeds Standard
Students at the Exceeds Standard level in reading select from a variety of skills and strategies to enhance comprehension of text. Students working at this achievement level exhibit the following knowledge, skills, and abilities:
• Make inferences about why a character changes.
• Predict and draw conclusions about information from maps and diagrams.

Meets Standard
Students at the Meets Standard level in reading use skills and strategies to comprehend text. Students working at this achievement level exhibit the following knowledge, skills, and abilities:
• Identify imagery and explain the meaning of similes, personification, and hyperbole.
• Describe internal conflict and how this causes characters to change.
• Explain a lesson learned based on events and/or character actions.
• Explain the purpose of information from maps, diagrams, italicized words, and parentheses.
• Identify opinions.

Approaching Standard
Students at the Approaching Standard level in reading demonstrate a literal understanding of text. Students working at this achievement level exhibit the following knowledge, skills, and abilities:
• Identify hyperbole.
• Determine whether a character changed from the beginning to the end of a text.
• Identify a lesson learned.
• Locate information using maps, diagrams, italicized words, and parentheses.
• Identify facts.

Emergent/Developing
Students at the Emergent/Developing level find the process of reading text challenging. Students working at this achievement level exhibit the following knowledge, skills, and abilities:
• Identify a character's actions at the beginning and end of a text.
• Identify italicized words and parentheses.

Grade 5 Science

Exceeds Standard
Students at the Exceeds Standard level in science demonstrate a more complete understanding of grade-level science content and the ability to use science process skills to conduct simple investigations. Students working at this achievement level exhibit the following knowledge, skills, and abilities:
• Design simple scientific investigations.
• Compare characteristics of solids, liquids, and gases.
• Predict changes in motion based on unbalanced forces.
• Give examples of inherited characteristics.
• Create a food web.
• Describe the steps in the water cycle.

Meets Standard
Students at the Meets Standard level in science demonstrate a basic understanding of grade-level science content and abilities to use science process skills. Students working at this achievement level exhibit the following knowledge, skills, and abilities:
• Develop simple explanations based on scientific evidence.
• Identify characteristics of states of matter.
• Describe the effects of unbalanced forces on motion.
• Classify organisms and objects based on observable characteristics.
• Identify the steps in the water cycle.

Approaching Standard
Students at the Approaching Standard level in science demonstrate a developing understanding of grade-level content and growing confidence using science process skills. Students working at this achievement level exhibit the following knowledge, skills, and abilities:
• Describe some parts of scientific investigations.
• Compare characteristics of solids and liquids.
• Describe that forces can affect the way objects move.
• Sort organisms or objects based on observable characteristics.
• Identify the Sun as the source of energy for Earth.

Emergent/Developing
Students at the Emergent/Developing level find science to be challenging. Students working at this achievement level exhibit the following knowledge, skills, and abilities:
• Recall that scientific investigations can help answer questions.
• Identify some characteristics of solids and liquids.
• Demonstrate limited understanding of how forces affect motion.
• Recognize and group some familiar organisms based on characteristics.
• Identify the Sun as a needed part of the Earth system.